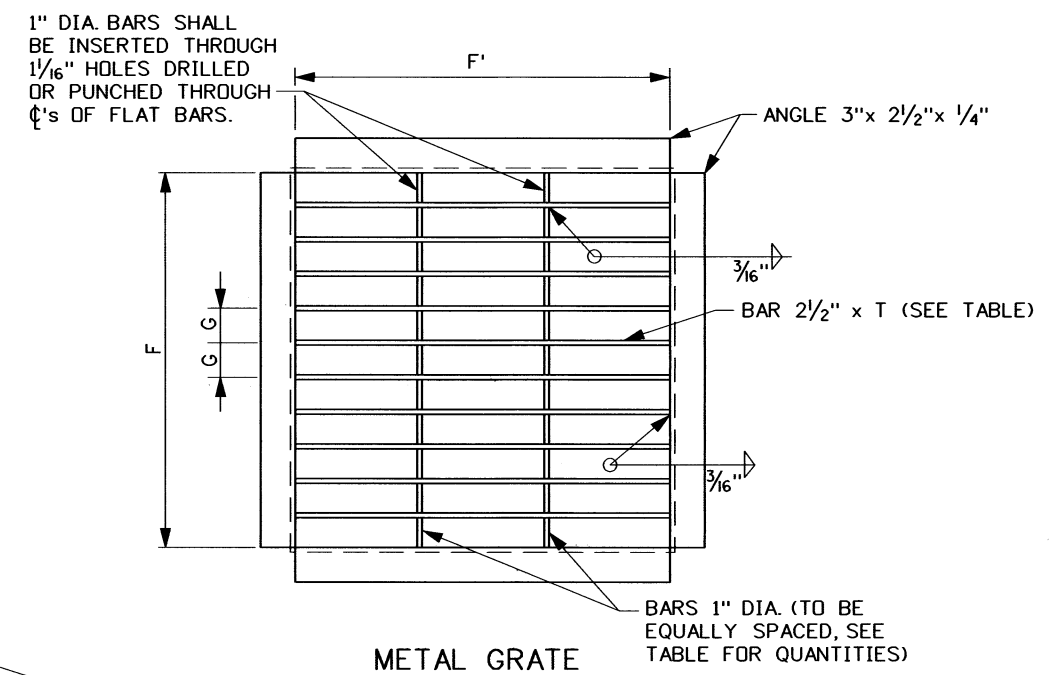


PLAN

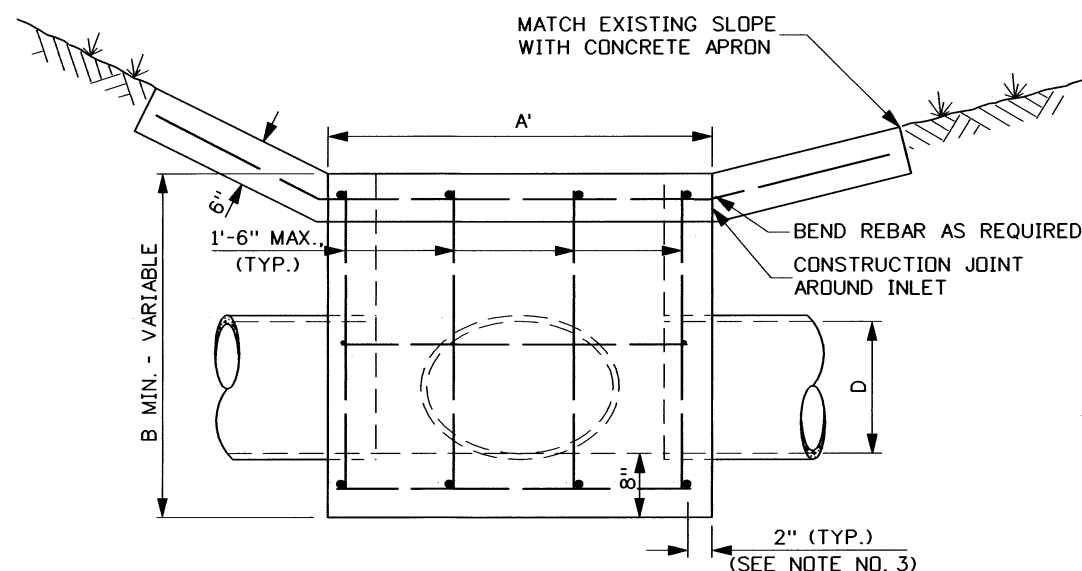
* b TABLE OF DIMENSIONS						
D/D'	A/A'	B MIN.	F/F'	G	BARS (EA.)	T
18"	3'-4"	3'-0"	2'-3"	3"	1	1/4"
24"	4'-0"	3'-7"	2'-11"	3 3/16"	2	1/4"
30"	4'-6"	4'-3"	3'-5"	3 1/8"	3	5/16"
36"	5'-0"	4'-9"	3'-11"	3 1/8"	3	3/8"
48"	6'-0"	5'-2"	4'-11"	3 3/8"	4	7/16"

* b SEE NOTE NO. 5



NOTES

1. TYPE 8 INLET CAN BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST AND MODIFIED INLETS SHALL MEET THE REQUIREMENTS OF ASTM C478. PRIOR APPROVAL OF SHOP DRAWINGS IS REQUIRED FOR USE OF PRECAST AND MODIFIED INLETS. THE APRON MUST BE CAST-IN-PLACE.
2. CAST-IN-PLACE INLET TYPE 8 SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
3. A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
4. ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES. ALL BARS SHALL HAVE A MINIMUM CONCRETE COVER OF 2" AND/OR 3" MINIMUM COVER IF CAST AGAINST EARTH.
5. THE INLET SHALL BE CONSTRUCTED RECTANGULAR USING THE APPROPRIATE WALL DIMENSIONS (A & A') DETERMINED BY THE CONNECTING PIPE SIZES. USE THE LARGER WALL DIMENSION IF TWO DIFFERENT PIPE SIZES CONNECT TO OPPOSITE WALLS. USE THE MINIMUM WALL DIMENSION IF NO PIPE(S) CONNECT TO OPPOSITE WALLS. SELECT THE DEPTH (B MIN.) BY USING THE VALUE OF THE INLET'S LARGEST CONNECTING PIPE.
6. PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
7. THE GRADE LINE OF THE TOP INSIDE OF ANY INLET PIPE SHALL BE AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
8. ONLY COMBINATIONS OF THE DIMENSIONS SHOWN ON THE TABLE SHALL BE USED TO CONSTRUCT A TYPE 8 INLET.
9. THE METAL FOR THE GRATE SHALL MEET THE REQUIREMENTS OF ASTM A36. THE METAL GRATE NEED NOT BE PAINTED OR GALVANIZED.
10. WELDING OF THE METAL GRATE SHALL MEET THE REQUIREMENTS OF THE AMERICAN WELDING SOCIETY D1.1.
11. GRAY IRON CAST TO THE DIMENSIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AASHTO M306 CLASS 35B GRAY IRON CASTINGS.
12. NOT TO SCALE.



ELEVATION

PERSPECTIVE VIEW

INLET - DETAILS

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	10-80		6	5-07	MSM		
2	12-92	MSM					
3	1-97	MSM					
4	3-01	MSM					
5	12-04	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME e6f_0507.std

DRWG. ORIG. DATE: AUGUST, 1972

IDAHO
TRANSPORTATION
DEPARTMENT

BOISE IDAHO



P. J. Roman
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

Steve C. Hutchinson
CHIEF ENGINEER

STANDARD DRAWING

INLET TYPE 8

English

STANDARD DRWG. NO.

E-6-F

SHEET 1 OF 1

